

materials engineer.

job description.

main details.

Type of employment: Internship or contract (part-time/full-time)

Duration: 2+ months

Location: London

Company:

Did you know that more than 40 billion RFID tags are made for single-use annually and typically end up in landfill after a short life cycle? PulpaTronics develops fully recyclable chipless and metal-free RFID tags that are also cheaper and simpler to manufacture. While PulpaTronics is only one and a half years old, we have already been part of over a dozen incubators, accelerators and other programmes, won two grants and numerous competitions, such as the Dezeen, IDEA, IET and Red Dot awards. We are looking for applicants to join our team of six, who share our passion for sustainability, have a startup “hustle” mentality, and are eager to make real change in our society.

position summary.

We are looking to grow our R&D team with a Materials Engineer joining us as a sustainable material specialist. The main responsibility of this role is to support our organic substrate material-related development. Additionally, the Materials Engineer will work closely with our Bio-Based Materials Specialist, Laser Specialist Materials Engineer and CTO to optimise the overall performance of our technology and support the industrial scaling-up and commercialisation of our bio-based products. The position can also expand into developing the scaling up and commercialisation of the technology, and potentially lead to a permanent position as well.

key responsibilities.

1. Develop the substrate material component of our technology based on primary and secondary research findings
2. Responsible for designing, building, testing and evaluating material samples for release to prototyping and development
3. Conduct rigorous scientific measurements using material characterisation equipment for evaluating the performance of various substrate materials
4. Generate performance summaries and report findings in design review session
5. Support developing and designing project timelines and grant applications
6. Communicate and collaborate with scientific advisors, scaling-up, IP and commercial experts
7. Contribute to developing intellectual property protection strategy

required qualifications.

1. Masters degree in Materials Science and Engineering, Chemical Engineering or similar
2. Experience working with plant-based materials, ideally bioplastics, is important
3. Preferably relevant experience focusing on renewable or organic materials
4. Demonstrated ability using characterisation equipment, such as XRD, SEM, FIB, Raman spectroscopy or similar, and interpreting results
5. Strong interest in sustainable solutions and recyclable materials is key

6. Experience in using Matlab, R, Python or other programming languages in a plus
7. Team player with good communication skills, able to explain information to technical and non-technical audiences
8. Self-motivated, with a passion for the job, and able to follow tasks through to completion without direct supervision
9. Experience working in a fast-paced and challenging environment and collaborate successfully in a multidisciplinary team to achieve specific objectives

compensation & benefits.

1. Opportunity to take full ownership of a significant component of the technological development
2. Milestones tailored to personal development goals with plenty of support and training
3. Flexible working hours
4. Competitive stipend or salary
5. Hybrid work

make an application.

For those interested, please fill out this [application form](#) by January 10, 2025, and upload your CV and cover letter. If you have any other questions or queries, please reach out to jobs@pulpatronics.com.